

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>FE241495</b>	<b>FOR FURTHER ACTION</b>		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/KR2004/001883</b>	International filing date ( <i>day/month/year</i> ) <b>26 JULY 2004 (26.07.2004)</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>25 JULY 2003 (25.07.2003)</b>	
Applicant  <b>UTStarcom Korea Limited et al</b>			

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II)

3. ☐ Unity of invention is lacking (See Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 4

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

b. ☐ none of the figure is to be published with the abstract.

BEST AVAILABLE COPY

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001883

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 H04B 7/26**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/26, H04B 1/38

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975  
KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
KIPONET, DELPHION & Keywords : access, search, round, trip, delay, radius and similar terms

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6577616 B1 ( NORTEL NETWORKS LIMITED ) 10 June 2003 * the whole document *	1 - 3
X	WO 00/52850 A1 ( MOTOROLA INC. ) 8 September 2000 * the whole document *	1 - 3
X	US 6212405 B1 ( LUCENT TECHNOLOGIES INC. ) 3 April 2001 * column 2 line 66 - column 5 line 47, figures 5, 6, 8, 9 *	1 - 3
A	US 5758090 A ( AIRNET COMMUNICATIONS INC. ) 26 May 1998 * the whole document *	1 - 3
A	US 6161022 A ( HYUNDAI ELECTRONICS IND. CO., LTD. ) 12 December 2000 * column 4 line 44 - column 6 line 46 *	1 - 3

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance  
"E" earlier application or patent but published on or after the international filing date  
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)  
"O" document referring to an oral disclosure, use, exhibition or other means  
"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
"&" document member of the same patent family

Date of the actual completion of the international search

22 OCTOBER 2004 (22.10.2004)

Date of mailing of the international search report

**25 OCTOBER 2004 (25.10.2004)**

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

SHIN, Jun Ho

Telephone No. 82-42-481-8129



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001883

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6577616 B1	10-06-2003	AU 2336101 A	16-07-2001
		AU 3531500 A	18-01-2001
		BR 0016830 A	10-09-2002
		CA 2395983 A1	12-07-2001
		CN 1308466 A	15-08-2001
		EP 1250825 A1	23-10-2002
		NZ 504571 A	01-03-2002
		TW 550960 B	01-09-2003
		WO 0150798 A1	12-07-2001
WO 0052850 A1	08-09-2000	US 6169887 B1	02-01-2001
US 6212405 B1	03-04-2001	AU 4475199 A	16-03-2000
		BR 9903881 A	29-08-2000
		CA 2278392 A1	29-02-2000
		CN 1248831 A	29-03-2000
		EP 0984644 A2	08-03-2000
		EP 0984644 A3	05-07-2000
		JP 2000102068 A	07-04-2000
		KR 2000017641 A	25-03-2000
		TW 439374 B	07-06-2001
US 5758090 A	26-05-1998	AU 7247596 A	09-04-1997
		WO 9711571 A1	27-03-1997
US 6161022 A	12-12-2000	JP 11275645 A	08-10-1999
		KR 249045 B1	15-03-2000

BEST AVAILABLE COPY